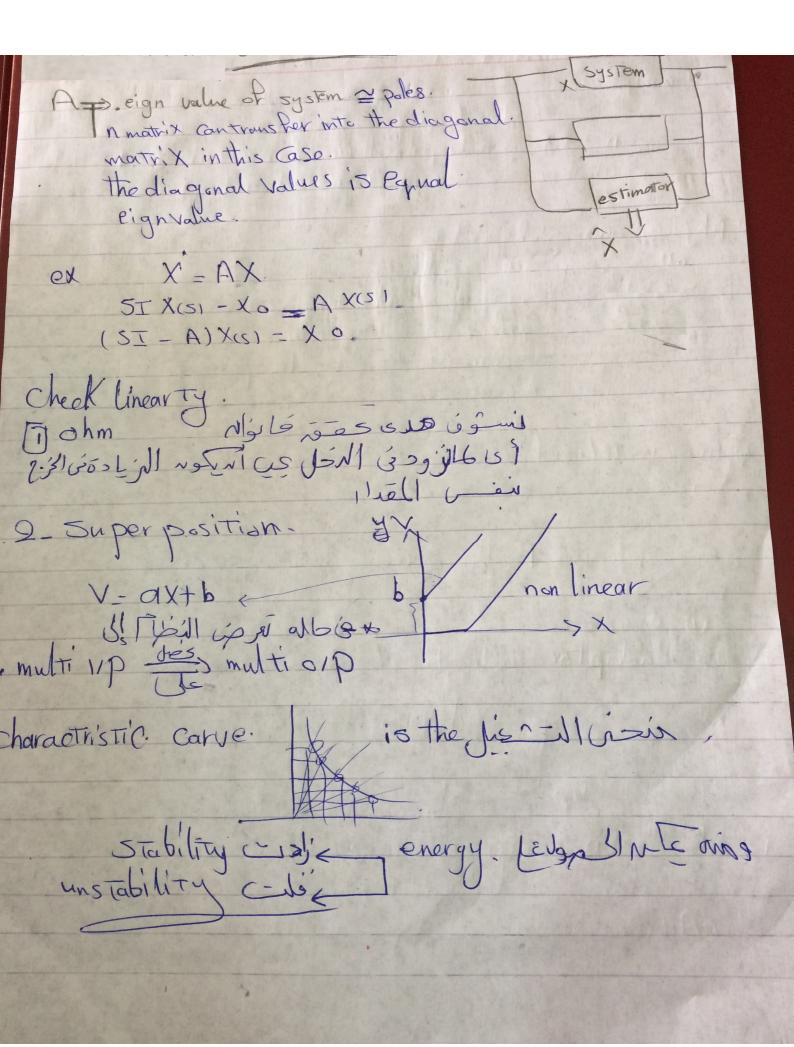
Introduction to simulink. lec2 analyising dosedloop 1 1/2 1/2 it still open Lapuntill we start to enhance it at this time we say it is closed loop. Physical meaning of stability.

all system one stable

Stability = sit appear when there are outside parameter. effect on the system.

So we use stability to protect the system.

From affecting the this parameters. Le nerg is related to stability. We need to reduce energy losses system physical Body, reed to huture predection. estimator dependent or model, observation) 119 - > SAZIEW -> 016 



and the properties was added as trust as the first the main objective of any system is to obtain

Cign value gordan Farm 1,30, eign value d'aganal - stable, Latkast I (+) un stable, Loonly stable u critical 13 Min You C. X  $\begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix}$ X1 = X2 = Const. X2 = 0 all the time = 121 dx, X(2) = X(2) (X=t)

dt wiph bette (X=t)

Juin 46 Dim cu )'s 1 X · matrix is I big Deign value @ eign vector elgovaluethelis (il)
independency samps is to Lelyo as FIE M system can be invertable if Ill parameters , eign w non Zero, of S

Controllable or not controllable. antilo stati mas Controllable 1/p list clus solp dalles azin Is the ability of the ijp to change the state of variable. From one point to another in aspecialic time. addam the district of the living The state of the s SALE WARE TO THE RESIDENCE OF THE PARTY OF T The Walter Land Holling in the Contraction of the C The state of the s